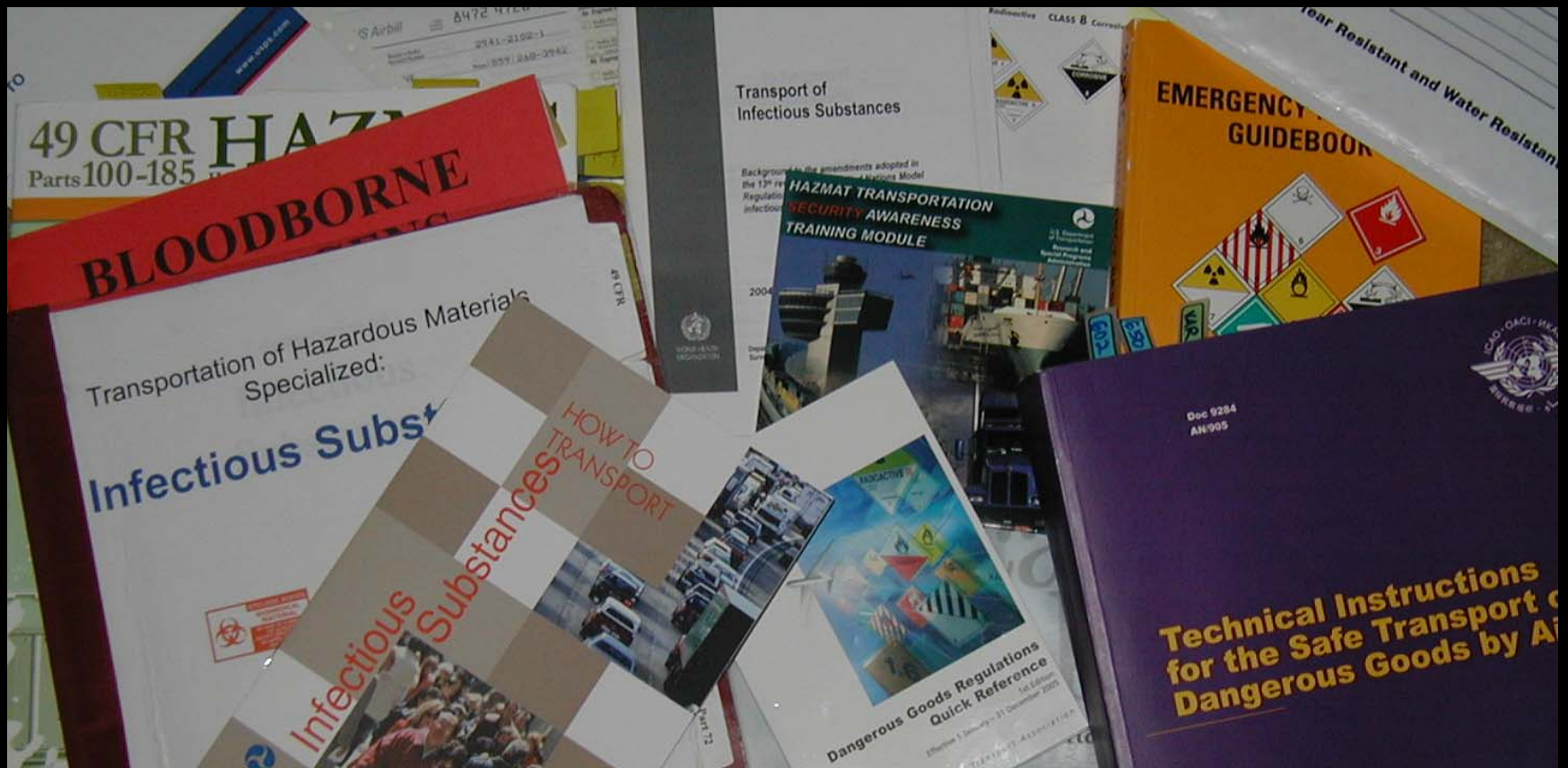


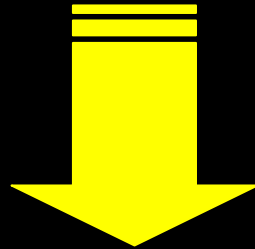
2005 Regulatory Changes

Regulations



Regulatory Agencies

UN Committee of Experts



Governments

International Organizations

United States
DOT
USPS
CDC
OSHA

International air transport
IATA



Federal Register

Monday
December 20, 2004

Part II

Department of Transportation

Research and Special Programs
Administration
49 CFR Parts 171, 172, et al.
Harmonization With the United Nations
Recommendations, International Maritime
Dangerous Goods Code, and International
Civil Aviation Organization's Technical
Instructions; Final Rule



The field reference guide for shipping
Dangerous Goods by Air



Dangerous Goods Regulations

46th Edition
Effective 1 January – 31 December 2005

International Air Transport Association


IATA and DOT Changes: Markings



IATA and DOT Changes: Additional Certification

I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labelled/placarded, and are in all respects in proper condition for transport according to the applicable international and national governmental regulations. I declare that all of the applicable air transport requirements have been met.

IATA 8.1.6.12: Certification

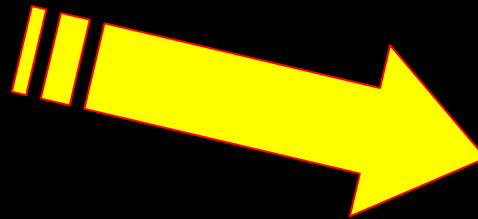
	Additional Handling Information	
	Emergency Telephone Number	
	I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labelled/placarded, and are in all respects in proper condition for transport according to applicable International and National Governmental Regulations.	
	I declare that all of the applicable air transport requirements have been met.	
FOR RADIOACTIVE MATERIAL SHIPMENT ACCEPTABLE FOR PASSENGER AIRCRAFT, THE MATERIAL INTENDED FOR USE IN OR INCIDENT TO RESEARCH, MEDICAL DIAGNOSIS, OR		

IATA 8.1.6.12: Certification

Additional Handling Information	
I declare that all of the applicable air transport requirements have been met.	
Emergency Telephone Number	
I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labelled/placarded, and are in all respects in proper condition for transport according to applicable International and National Governmental Regulations.	Name/Title of Signatory
	Place and Date
	Signature (see warning above)
FOR RADIOACTIVE MATERIAL SHIPMENT ACCEPTABLE FOR PASSENGER AIRCRAFT, THE SHIPMENT CONTAINS RADIOACTIVE MATERIAL INTENDED FOR USE IN OR INCIDENT TO RESEARCH, MEDICAL DIAGNOSIS, OR TREATMENT.	

IATA and DOT Changes: Markings

INNER PACKAGES
COMPLY WITH
PRESCRIBED
SPECIFICATIONS



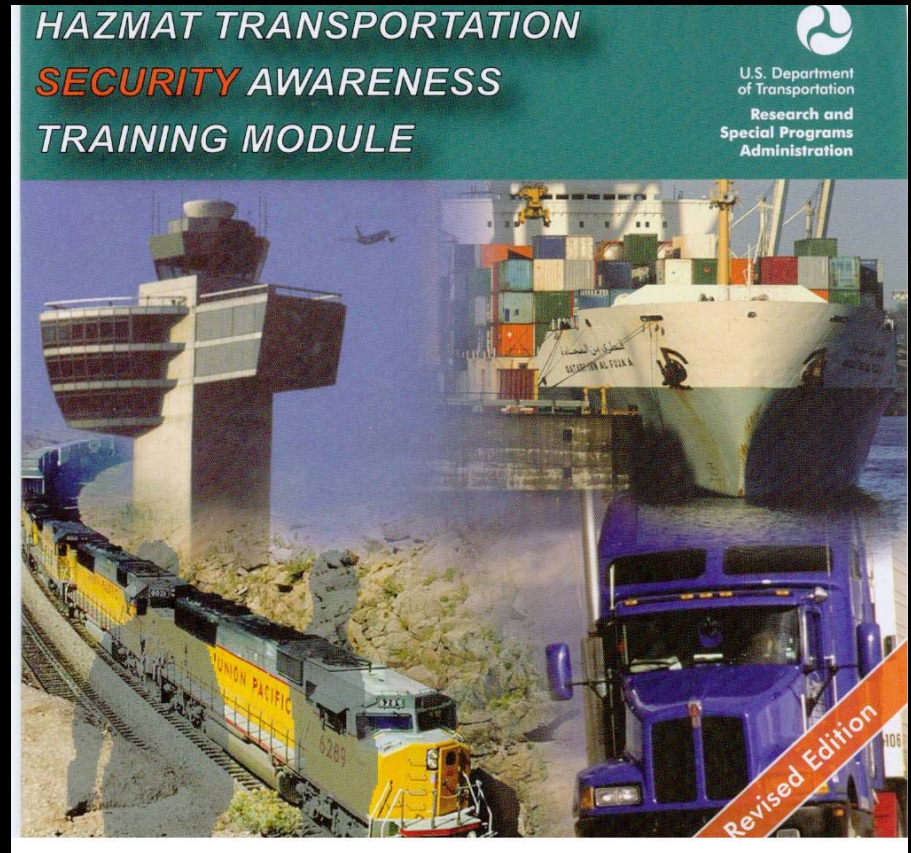
OVERPACK

DOT allows either until 10/1/07

Effective 01/01/05 (IATA)

IATA 1.6 Security Awareness

- IATA training *should* include security awareness
- DOT requires security awareness training



DOT: Security Awareness

- <http://hazmat.dot.gov>



IATA and DOT: As of Jan. 1, 2007

- Format of Shipper's Declaration will change

NATURE AND QUANTITY OF DANGEROUS GOODS						
Dangerous Goods Identification				Quantity and Type of Packing	Packing Instruc- tions	Authorization
UN or ID No.	Proper Shipping Name	Class or Division (Subsidiary Risk)	Packing Group			

IATA 3.6.2 Classification

- Division 6.2 - Infectious Substances
 - Removed references to risk groups
 - Category A infectious substance
 - Category B infectious substance

Category A

- Transported in a form that, when exposure to it occurs, is capable of causing permanent disability, life-threatening or fatal disease to humans or animals.
 - *Exposure* - release outside of the protective packaging resulting in physical contact with humans or animals
- Proper shipping name and UN #
 - Infectious substance, affecting humans (*)
 - UN2814
 - Infectious substance, affecting animals (*)
 - UN2900

IATA Table 3.6 D

*Indicative examples of Category A ***

- *Bacillus anthracis* (cultures only)
- *Coccidioides immitis* (cultures only)
- *Francisella tularensis* (cultures only)
- *Mycobacterium tuberculosis* (cultures only)
- Ebola virus
- Monkeypox virus
- Variola virus

**Refer to DGR for complete list

Category B

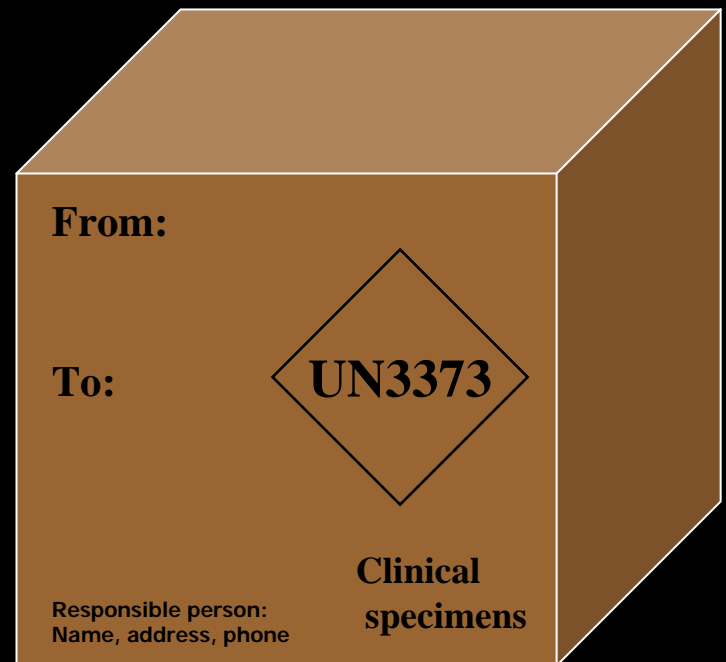
- An infectious substance that does not meet the criteria for inclusion in Category A
 - Human or animal material transported for research, diagnosis, disease treatment, etc.
 - Diagnostic or clinical cultures
- Proper shipping name and UN number
 - *Diagnostic specimens* or *Clinical specimens*
 - UN3373

IATA Changes: PI 650

- Use for Category B infectious substances
 - Primary receptacle
 - Liquid, 1 L (maximum)
 - Including ≤ 30 ml preservatives (Class 3, 8, or 9)
 - Solid, 4 kg (maximum)
 - Outer packaging (rigid)
 - Filling and packing
 - Follow manufacturers instructions
 - Provide instructions to patients

IATA Changes: PI650 Markings

- Required markings
 - “Diagnostic specimens” or “Clinical specimens”
 - **UN3373 marking**
- **Optional marking***
 - Responsible person
 - Name
 - Address
 - Phone



***Place on package *or* airway bill**

IATA Changes : PI 650 Air Waybill

- Category B infectious substances
 - Proper shipping name
 - Diagnostic specimens
 - Clinical specimens
 - UN number
 - UN3373
 - Responsible person*
 - Name, address, phone number
- * Place on package or air waybill

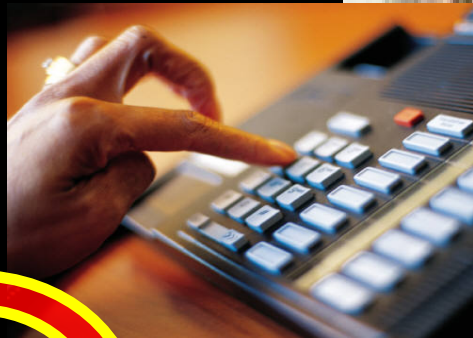
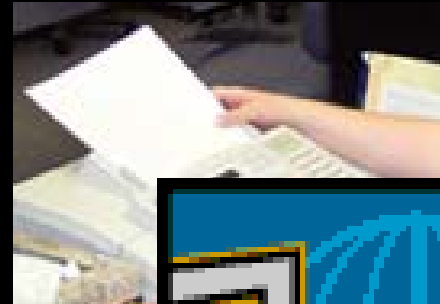


IATA Changes: PI 602

- Use for Category A infectious substances
 - Secure screw capped primary receptacles
 - Tape
 - Paraffin sealing tape
 - Manufactured locking closure
 - Outer packaging must be rigid

IATA Changes: PI 602

IATA 1.3.3.1, 9.1.2.1, & 9.1.2.4

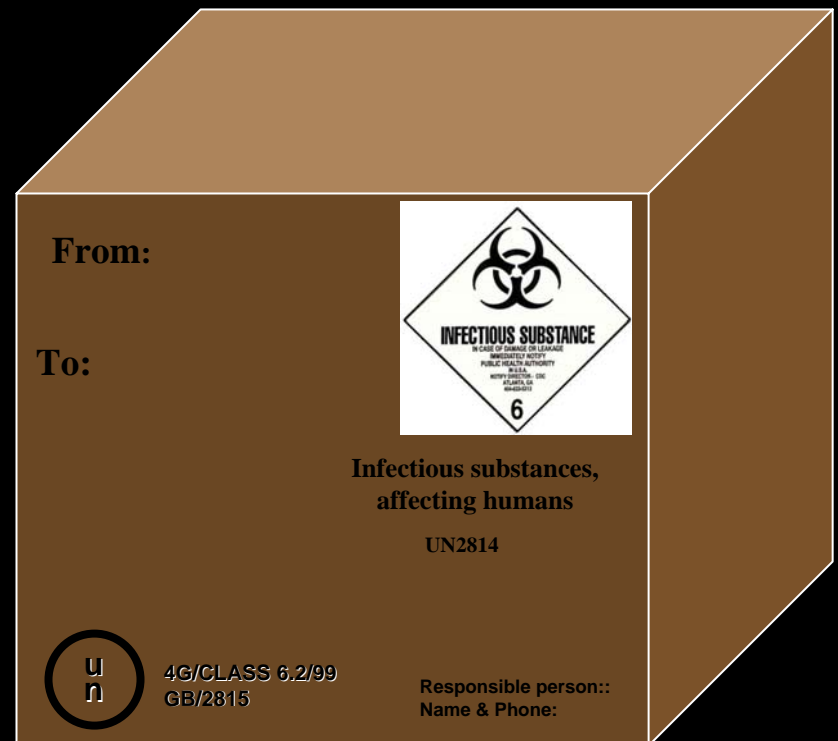


Additional Handling Information	
Prior arrangements as required by the IATA Dangerous Goods Regulations 1.3.3.1 have been made.	
I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, which are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national government regulations.	
Name/Title of Signatory	17/05/1999
Place and Date	
<input type="checkbox"/> Signature	<input checked="" type="checkbox"/> Print Hatchings



IATA Changes: PI602 Markings

- Category A infectious substances
 - Infectious substances, affecting humans
 - UN2814
 - Infectious substances, affecting animals
 - UN2900
- Technical name
 - **Used only for documentation**



IATA Changes: SP A140

[illegible]

IATA Changes: SP A81

- The quantity limits in Columns **J** and **L** do not apply to body parts, organs or whole bodies.



IATA Information

- http://www.iata.org/whatwedo/dangerous_goods

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Home » What We Do » Dangerous Goods

Dangerous Goods & Safety Worldwide

Expertise and Industry Advancement

The IATA 'DG Center of Expertise' strives to lead industry efforts to ensure the safe handling of dangerous goods in air transport, by providing a broad array of technical knowledge, products, services and training solutions tailored to meet industry needs.

Setting the Standards Leads to Safety!

Ensuring that undeclared dangerous goods do not get on board an aircraft is one of many key objectives of IATA's dangerous goods programme. By defining standards for documentation, handling and training, and by actively promoting the adoption and use of those standards by the air cargo industry, a very high degree of safety has been achieved in dangerous goods transport.

Effectiveness and Efficiency

Working closely with governments in the development of the regulations, including ICAO and other national authorities, IATA ensures that the rules and regulations governing dangerous goods transport are both effective and efficient. The goal is to make it just as easy to ship dangerous goods by air as any other product so it removes any incentive to by-pass the regulations.

Communication

Information is key to any safety programme, no less for dangerous goods in air transport. Through its [Dangerous Goods Regulations](#), its network of accredited training schools, and a comprehensive and effective training programme, IATA ensures that shippers, forwarders and carriers alike have the tools and resources to ship dangerous goods safely.

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Dangerous Goods Information HOTLINE
Tel: +1 (514) 390 6170
Fax: +1 (514) 874 2860
e-mail: dangood@iata.org

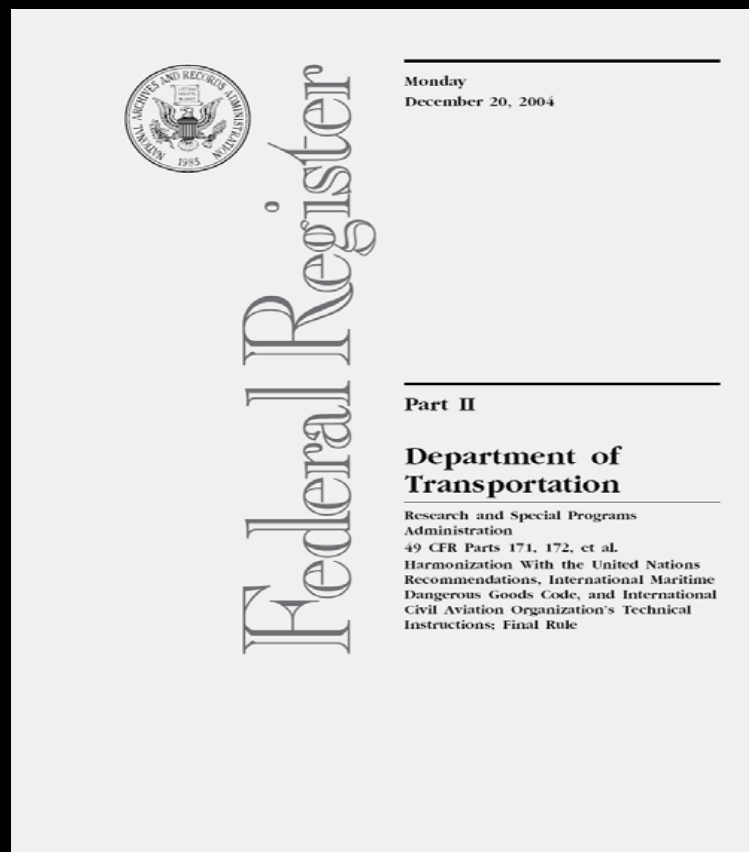
[IMPORTANT INFORMATION FOR USERS OF THE DGR CD-ROM](#)

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In The Spotlight

- [Addenda to the 46th DGR - Click here to download](#)
- [2005 Checklists Now Available!!!](#)
- [New Packing Instruction 650 - for 2005](#)

DOT: HMR Harmonization



• Requirements for infectious substances and genetically modified micro-organisms;

[Amendments to the HMR related to infectious substances will be addressed in a future rulemaking under Docket HM-226A. Several other federal agencies regulate genetically modified micro-organisms; thus we do not plan to adopt provisions for their transport in the HMR.]

• Compressed gas cylinders;

Diagnostic Specimens Summary

Packing Instruction	Quantity Limits				Minimum dimension (one side)	Markings on Outer Packaging	Notation on Air Waybill
	Primary		Outer				
	Liquid	Solid	Liquid	Solid			
§173.199 (DOT)	500 ml	500 g	4 L	4 kg	††	Diagnostic specimens	††
C023.8.6 (USPS)							
650 (IATA)	1 L	4 kg			100 mm (4 in)	Diagnostic specimens or Clinical specimens <div>UN3373</div> Responsible person* (name, address, phone)	Diagnostic specimens or Clinical specimens UN3373 Responsible person* (name, address, phone)

†† None specified

* Place on package or air waybill

Infectious Substances: Summary

Packing Instruction	Quantity Limits		Minimum dimension (one side)	Markings on Outer Packaging	Shipper's Declaration
	Passenger Aircraft	Cargo Aircraft Only			
§173.196 (DOT)	50 ml/g	4 L/kg	100 mm (4 in)	Infectious substance, affecting humans (technical name) UN2814	Technical name required
C023.8.5 (USPS)	50 ml/g	Not applicable			
602 (IATA)	50 ml/g	4 L/kg		Infectious substance, affecting humans UN2814 Responsible person (name, phone)	Technical name Required Use "suspected category A infectious substances", if appropriate

Resources

IATA

- http://www.iata.org/whatwedo/dangerous_goods/download.htm
- Dangerous Goods Information HOTLINE
 - Tel: +1 (514) 390 6770
 - Fax: +1 (514) 874 2660
 - e-mail: dangood@iata.org
- Join DG Communications mailing list

Resources

DOT

- <http://hazmat.dot.gov>
 - “Rules and Regulations”
 - Rulemakings and Federal Register Notices
- **HAZARDOUS MATERIALS INFO LINE**
 - 1-800-HMR49-22**
 - 1-800-467-4922**
 - (202) 366-4488 (*Washington, D.C .*)**

Resources

United States Postal Service

- <http://www.usps.com/>